

AMENDMENTS TO CLAIMS:

1. (currently amended) A process for adjusting the fluid delivery volumes of a multi-channel metering apparatus with an arrangement of independently controlled dispensing channels 1.1-1.n delivering individual volumes of dispensing fluid to cavities 3.1.1-3.n.n, the process comprising the following procedural steps:

delivering individual volumes of dispensing fluid via dispensing channels 1.1-1.n, where the delivery is controlled by a control value that is the same for all the dispensing channels;

measuring a value relevant to the individual volumes delivered;

correlating the measurement values with the control value and the particular dispensing channel 1.1-1.n;

statistically determining (a) an equilibration value from all the measurement values; and (b)

determining a permissible band of tolerance for the equilibration value;

adjusting up or down the control value of any dispensing channel whose measurement value is above or below the band of tolerance for the equilibration value;

memorizing control values and measurement values as data storage groups.

2. (previously presented) The process of claim 1, wherein the process further comprises:

determining the mean value of the measurement values for each of the dispensing channels 1.1-1.n.

correlating each of the mean values with the control value and the particular dispensing channel.

3. (previously presented) The process of claim 2, wherein the equilibration value is the median value of the mean values for each of the dispensing channels 1.1-1.n.

4. (previously presented) The process of claim 1, wherein the equilibration value is the mean value of the measurement values.
5. (cancelled)
6. (previously presented) The process of claim 1, wherein the control value is opening times t_{1-t_n} for valves 2.1-2.n arranged in each of the dispensing channels 1.1-1.n.
7. (previously presented) The process of claim 1, wherein the control value is the plunger stroke of the pump connected to each of the dispensing channels 1.1-1.n.
8. (previously presented) The process of claim 1, wherein the steps of the process are completed many times in sequence in order to align dispensing channels 1.1-1.n on more than one delivery volume or tolerance band.
9. (previously presented) The process of claim 1, wherein further storage data such as dispensing fluid pressure, temperature and viscosity are added to the storage data groups.
10. (withdrawn) Multi-channel metering apparatus with an arrangement of dispensing channels 1.1-1.n for the delivery of individual volumes of dispensing fluid to cavities 3.1.1-3.n.n in a correlated arrangement, each having an independently controlled means of metering, with a measuring device 4 to measure significant values $x_{1.1-x.n.n}$ for the volumes of dispensing fluid delivered to the individual cavities 3.1.1-3.n.n, correlated with the control value and the dispensing channel 1.1-1.n in each case and memorized (data storage groups), a computer unit 5, which specifies an equilibration value on the basis of measurement values and adjusts all control values for channels the correlated measurement values for which are outside a tolerance band and on either side of the equilibration value, a data input unit 6 connected to computer unit 5 and a control unit 7 which controls the means of metering in accordance with the control values provided by computer unit 5.